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SERIAL NO.  
09/998,735

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Application of: Mehrdad (nmi) Ehsani et al.  
Serial No. 09/998,735  
Filing Date: November 30, 2001  
Title: METHOD AND APPARATUS FOR REDUCING NOISE AND  
VIBRATION IN SWITCHED RELUCTANCE MOTOR DRIVES

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

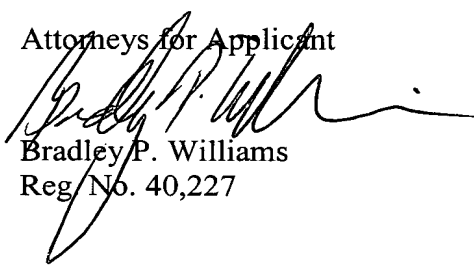
INFORMATION DISCLOSURE STATEMENT

Applicant respectfully requests, pursuant to 37 C.F.R. § 1.56, 1.97, and 1.98, that the references listed on the attached PTO-1449 form be considered and cited in the examination of the above-identified patent application. Copies of the references are enclosed for the convenience of the Examiner. Furthermore, pursuant to 37 C.F.R. § 1.97(h), no representation is made that these references qualify as prior art or that these references are material to the patentability of the present application.

Pursuant to 37 C.F.R. § 1.97(b)(3), Applicant believes this Information Disclosure Statement has been filed before the mailing date of the first Official Action. Therefore, Applicant believes no fee is due. However, if a fee is required, the Commissioner is hereby authorized to charge any fees or credit any overpayments to Deposit Account No. 02-0384 of Baker Botts L.L.P.

Respectfully submitted,  
BAKER BOTTS L.L.P.

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Date: March 7, 2002

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PTO-1449

Application No.  
09/998,735Applicant(s)  
Mehrdad (nmi) Ehsani et al.Information Disclosure Citation  
in an ApplicationDocket Number  
017575.0717  
(TAMUS 1402)

Group Art Unit

Filing Date  
November 30, 2001

## U.S. PATENT DOCUMENTS

	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
B.						
C.						
D.						

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
E.							

## NON-PATENT DOCUMENTS

	DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
F.	P. Materu and R. Krishnan, "Analytical Prediction of SRM Inductance Profile and Steady-State Average Torque," Department of Electrical Engineering, pgs. 214-223.	05/1990
G.	D.A. Torrey and J.H. Lang, "Modelling a Nonlinear Variable-Reluctance Motor Drive," IEEE Proceedings, Vol. 137, Pt. B, No. 5, pgs. 314-326.	09/1990
H.	M. Moallem and C.M. Ong, "Predicting the Torque of a Switched Reluctance Machine From its Finite Element Field Solution," IEEE Transactions on Energy Conversion, Vol. 5, No. 4, pgs. 733-739	12/1990
I.	Julio C. Moreira, "Torque Ripple Minimization in Switched Reluctance Motors Via Bi-Cubic Spline Interpolation," PESC '92 Record, 23rd Annual IEEE Power Electronics Specialists Conference, pgs. 851-856.	03/1992
J.	Derrick E. Cameron, Jeffrey H. Lang and Stephen D. Umans, "The Origin and Reduction of Acoustic Noise in Doubly Salient Variable-Reluctance Motors," IEEE Transactions on Industry Applications, Vol. 28, No. 6, pgs. 1250-1255	Nov/Dec. 1992
K.	Iqbal Husain and Mehrdad Ehsani, "Torque Ripple Minimization in Switched Reluctance Motor Drives by PWM Current Control," Ninth Annual Applied Power Electronics Conference and Exposition Volume 1, pgs. 72-77	Feb. 13-17, 1994
L.	Chi-Yao Wu and Charles Pollock, "Analysis and Reduction of Vibration and Acoustic Noise in the Switched Reluctance Drive," IEEE Transactions on Industry Applications, Vol. 31, No. 1, pgs. 91-98	Jan/Feb. 1995
M.	Piyush Tandon, Anandan Velayutham Rajarathnam and Mehrdad Ehsani, "Self-Tuning Control of a Switched Reluctance Motor Drive With Shaft Position Sensor," Conference of Record of the 1996 IEEE Industry Applications Conference Thirty-First IAS Annual Meeting, pgs. 101-108	Oct. 6-10, 1996
N.	B. Fahimi, G. Suresh, J.P. Johnson, M. Ehsani, M. Arefeen and I. Panahi, "Self-Tuning Control of Switched Reluctance Motors for Optimized Torque per Ampere at all Operating Points," Thirteenth Annual Applied Power Electronics Conference and Exposition Volume 2, pgs. 778-783.	Feb. 15-19, 1998
O.	B. Fahimi, G. Suresh, J. Mahdavi and M. Ehsani, "A New Approach to Model Switched Reluctance Motor Drive: Application to Dynamic Performance Prediction, Control and Design," 29th Annual IEEE Power Electronics Specialists Conference, Volume 2, pgs. 2097-2102	08/1998
P.	B. Fahimi, G. Suresh, K.M. Rahman and M. Ehsani, "Mitigation of Acoustic Noise and Vibration in Switched Reluctance Motor Drive Using Neural Network Based Current Profiling," Conference of Record of the 1998 IEEE Industry Applications Conference, Thirty-Third IAS Annual Meeting, pgs. 715-722.	Oct. 12-15, 1998

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.